

operable to accumulate data; a backup server connectable to said terminal device through an IP network which is constructed by connecting communication lines with each other;

5 a monitoring section operable to monitor the data occupancy ratio in said storage device on said terminal device side;

an extracting section operable to extract, when the data occupancy ratio is greater than a predetermined ratio, data in accordance with the data attribute in said storage device; an  
10 upload section operable to transmit the data, which is extracted by said extracting section, to said backup server;

a difference data producing section located on said backup server side and operable to produce difference data between existing data which is already accumulated and upload  
15 data which is transmitted by said upload section;

a difference accumulating section operable to accumulate said difference data which is produced;

a downloading section operable to produce download data from said existing data and said difference data in response  
20 to a request from said terminal system, and transmit said download data, which is produced, to said terminal device.

[2] The backup system as claimed in claim 1 wherein said extracting section is operable to determine, as data  
25 attributes, the extension and last update date and time of a data file, and extract data in accordance with a data attribute which is set by a user.

[3] The backup system as claimed in claim 1 wherein said  
30 upload data is broadcast content, which is received through a radio wave broadcast and stored on said broadcast content side, and wherein said difference data producing section is operable to produce said difference data as noise which is generated during receiving said broadcast content.

35 [4] The backup system as claimed in claim 1 wherein said broadcast content is reception content which is received through a radio wave broadcast by a content server located on said IP network and which is rebroadcasted by a radio wave

transmitter section connected through said IP network, and wherein said existing data in said backup server is said reception content.

- 5 [5] The backup system as claimed in claim 1 wherein said radio wave transmitter section is located alongside the railway or the roadway.

- 10 [6] A method of backing up data accumulated in a storage device connected to a terminal device through an IP network which is constructed by connecting communication lines with each other, said method comprising:

a step of monitoring the data occupancy ratio in said storage device on said terminal device side;

- 15 a step of extracting, when the data occupancy ratio is greater than a predetermined ratio, data in accordance with the data attribute in said storage device, and transmitting the data, which is extracted by said extracting section, to said backup server;

- 20 a step of producing, on said backup server side, difference data between existing data which is already accumulated and upload data which is transmitted by said upload section, and accumulating said difference data which is produced; and

- 25 a step of producing download data from said existing data and said difference data in response to a request from said terminal system, and transmitting said download data, which is produced, to said terminal device.

- 30 [7] The backup method as claimed in claim 6 wherein said upload data is broadcast content, which is received through a radio wave broadcast and stored on said broadcast content side, and wherein said difference data is noise which is generated during receiving said broadcast content.

- 35 [8] The backup method as claimed in claim 6 wherein said broadcast content is reception content which is received through a radio wave broadcast by a content server located on said IP network and which is rebroadcasted through said IP

network, and wherein said existing data in said backup server is said reception content.